

Model No: PMT-20N12AL05-04
 Product Line:

Rev: DVR1
 Last Update: 2017-01-05 14:18:35

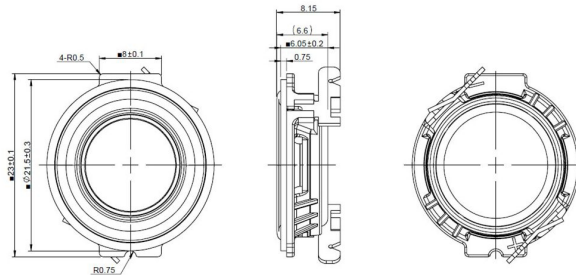
Product Description

This 20 mm 4 ohm compact Premium Micro Transducer is designed for computer, television array, and similar applications. It features a neodymium-iron-boron magnet, a light aluminium cone, and a high-temperature polycarbonate frame. The PMT family's transducers feature low resonant frequencies and a full range bandwidth. Based on PMT-20N12AL03-04 with terminal pins.

NOTE THIS DRIVER IS NOT APPROVED AND/OR IS NOT IN MASS PRODUCTION YET.
 AS SUCH IT MAY BE SUBJECT TO CHANGE.
 SPEC IS ONLY FOR INFORMATION.
 PLEASE CHECK STATUS WITH THE ENGINEER



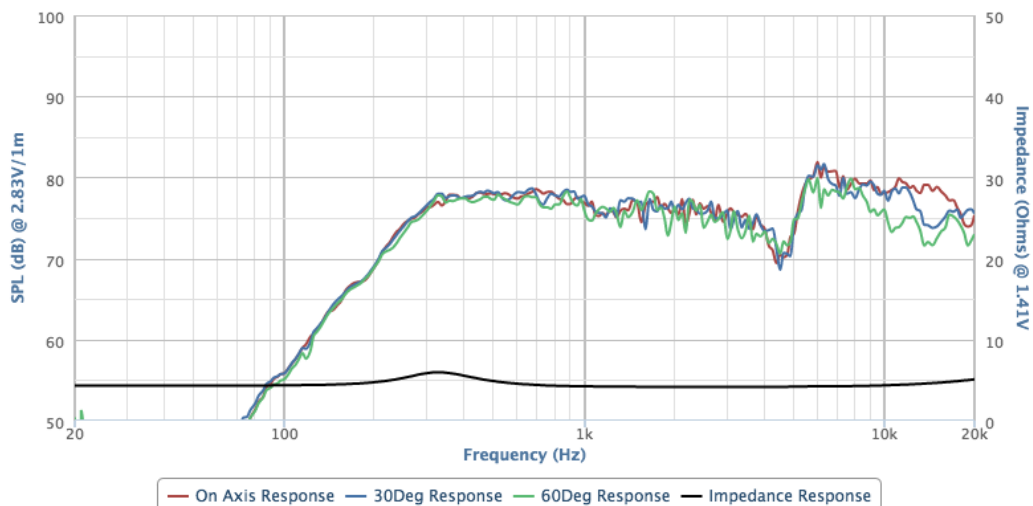
Mechanical Drawing



Specifications

DC Resistance	Revc	Ohms	3.53	5.0%	Energy Bandwidth Product	EBP	(1/Qes)*fs	122.92
Minimum Impedance	Zmin	Ohms	4.16	7.5%	Moving Mass	Mms	g	0.17
Voice Coil Inductance	Le	mH	0.02		Suspension Compliance	Cms	um/N	836
Resonant Frequency	Fs	Hz	438.83	15%	Effective Cone diameter	D	cm	1.66
Mechanical Q Factor	Qms		1.38		Effective Piston Area	Sd	cm^2	2.16
Electrical Q Factor	Qes		3.57		Effective Volume	Vas	L	0.01
Total Q Factor	Qts		0.98		Motor Force Factor	BL	Tm	0.7
Ratio Fs/Qts	F	Fs/Qts	447.79		Motor Efficiency Factor	β	(T*M^2)/Ohms	0.14
Half Space Sensitivity @2.83V	db@2.83V/1M	dB	75.61	+/- 1.0db	Voice coil former Material	VCfm		KSV
Half Space Sensitivity @1W/1M	db@1W/1M	dB	72.76	+/- 1.0db	Voice coil inner diameter	VCd	mm	12
Gap Height	Gh	mm	0.8		Rated Noise Power	P	W	1
Maximum Linear Excursion	Xmax	mm	0.5		Test Spectrum Bandwidth	400-20K Hz		
Ferrofluid Type	FF		APG834		Transducer Size	mm	20	
Transducer Mass	Kg	0.01						

Frequency and Impedance Response



Highcharts.com